



Dart Aerospace Ltd.  
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Hawkesbury, ON  
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Canada

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**D350-615-041**  
**Job Sheet 200959**



**Part No:** D350-615-041

**Job Qty:** 10 pcs

**Part Name:** GHW Modification, Fits LH or RH



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 9/19/19

**Job Tracking No:**

**Due Date:** 11/18/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:** ORDER 19721

**Note:** IIN REV B IPP Rev:K Removed Manufacturing 05-12-05 JLM IPP Rev:L revise bom DD 10.03.18 verified by:JLM

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation     | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off                         |
|-------|---------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------------------------------|
|       |               |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |                                  |
| 110   | Small Fab - 1 | 10 pcs | 11/18/19   |          | 0.00      | 0.92    | Small Fab - 1         |           | DAS<br>58<br>9-89<br>NOV 27 2019 |
|       |               |        |            |          |           |         | Small Fab - 2         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 3         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 4         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 5         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 6         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 7         |           |                                  |
|       |               |        |            |          |           |         | Small Fab - 8         |           |                                  |
| 120   | QC 5          | 10 pcs | 11/18/19   |          | 0.00      | 0.00    | QC 5 - 10             |           | DAS<br>40<br>9-89<br>NOV 20 2019 |
|       |               |        |            |          |           |         | QC 5 - 12             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 17             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 18             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 19             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 22             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 24             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 3              |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 43             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 49             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 51             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 58             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 68             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 9              |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 50             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 30             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 40             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 61             |           |                                  |
|       |               |        |            |          |           |         | QC 5 - 81             |           |                                  |
|       |               |        |            |          |           |         | QC 4 - 28             |           |                                  |
|       |               |        |            |          |           |         | QC 4 - 58             |           |                                  |
|       |               |        |            |          |           |         | QC 4 - 69             |           |                                  |
| 130   | QC 4          | 10 pcs | 11/18/19   |          | 0.00      | 0.00    |                       |           |                                  |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                        |                 |                         |
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| 140 Packaging 3-1 - Stock - B4B 10 pcs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 11/18/19 | 0.00 0.00 | QC 4 - 9               |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | QC 4 - 46              |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | QC 4 - 68              |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | QC 4 - 72              |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | QC 4 - 74              |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | QC 4 - 75              |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 1 - B4B  | DAS 78 9-89     | DEC 02 2019             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 2 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 3 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 4 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 5 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 6 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 7 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 8 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 9 - B4B  |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 10 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 11 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 12 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 13 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 14 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 15 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 16 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 17 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 18 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 19 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 20 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 21 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 22 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 23 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 24 - B4B | DAS 78 9-89     | DEC 02 2019             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 25 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 26 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 27 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 28 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 29 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 30 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 31 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 32 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 33 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 34 - B4B |                 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 35 - B4B | DAS 21 9-89     | DEC 02 2019             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           | Packaging 3 - 36 - B4B |                 |                         |
| 145 DC - 1 - B4B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 10 pcs   | 11/18/19  | 0.00 0.00              | DC - 1 - B4B    | DAS 21 9-89 DEC 02 2019 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                        | DC - 2 - B4B    |                         |
| 150 QC 21 - FG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 10 pcs   | 11/18/19  | 0.00 0.00              | QC 21 - FG - 21 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                        | QC 21 - FG - 70 | DAS 21 9-89 DEC 02 2019 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                        | QC 21 - FG - 53 |                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |           |                        | Broussard       | DAS 21 9-89 DEC 02 2019 |
| Part Op 110 - Assemble D2282-041 with D2282-043 as per Dwg D350-615 ***Only engage one thread on three 5/16-18-015C<br>Descriptions: bolts***<br>120 - (QC5- Inspect part completeness to step on W/O)<br>130 - (QC4- 100% Inspect kits for completeness)<br>140 - (Identify as per dwg & Stock Location: _____) Identify with Eurocopter and Dart part# using permanent ink stamp and pack for shipping as per PPP D350-615-041 Location :FG023<br>145 - Photocopy bluefile and type labels with Eurocopter part# (2 GHW Kits per box) as per PPP D350-615-041 CHG003<br>150 - (QC21- Final Inspection - Work Order Release) |          |           |                        |                 |                         |



013140

**Job BOM**

| Part / Item  | Component Name       | Quantity       | Operation         | Container       |
|--------------|----------------------|----------------|-------------------|-----------------|
| 5/16-18-015C | SS Bolt 5/16-181.5"  | 30 Ea (3 ea)   | 110-Small Fab - 1 | 5234254         |
| 5/16WC       | Washer               | 120 Ea (12 ea) | 110-Small Fab - 1 | 5234241         |
| 7/16-14-050C | SS Bolt 7/16 5" Long | 10 Ea (1 ea)   | 110-Small Fab - 1 | 5234288         |
| 7/16WC       | Washer, SS Flat 7/16 | 20 Ea (2 ea)   | 110-Small Fab - 1 | 5231387         |
| D2282-041    | T Assembly           | 10 pcs (1 ea)  | 110-Small Fab - 1 | 5232075         |
| D2282-043    | Saddle Assembly      | 10 pcs (1 ea)  | 110-Small Fab - 1 | 5214011 5221111 |
| D3015-3      | Locknut              | 30 pcs (3 ea)  | 110-Small Fab - 1 | 5152547 5217061 |
| D3015-5      | SS Nylock Nut 7/16   | 10 pcs (1 ea)  | 110-Small Fab - 1 | 5152543         |

**Job Allocations**

| Operation         | Component Part | Required | Inventory | Allocated |
|-------------------|----------------|----------|-----------|-----------|
| 110-Small Fab - 1 | 5/16-18-015C   | 30       | 103       | 0         |
|                   | 5/16WC         | 120      | 310       | 0         |
|                   | 7/16-14-050C   | 10       | 64        | 0         |
|                   | 7/16WC         | 20       | 139       | 0         |
|                   | D2282-041      | 10       | 17        | 0         |
|                   | D2282-043      | 10       | 21        | 0         |
|                   | D3015-3        | 30       | 134       | 0         |
|                   | D3015-5        | 10       | 120       | 0         |

**Part Specifications**

Specifications could not be found.

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Entered: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|
| Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | <b>DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/> </div> <div>           Eng. (Non-AW) <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Water Jet <input type="checkbox"/><br/>           Supplier <input type="checkbox"/><br/>           Quality <input type="checkbox"/> </div> </div>                                                                                                                                                                                                                                                                      |  |                        |  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Sequence #:                                                                                                                       | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | MRB (QSI042)           |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                   | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | Completed By           |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Lead hand / Supervisor |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | QC / QA Coordinator    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |
| <b>Root Cause</b><br><br><div style="display: flex;"> <div style="flex: 1;">           Operator <input type="checkbox"/><br/>           Manufacturing Process <input type="checkbox"/><br/>           Equip/Tooling <input type="checkbox"/><br/>           Handling/Preservation <input type="checkbox"/><br/>           Material <input type="checkbox"/><br/>           Product Improvement <input type="checkbox"/><br/>           Process Improvement <input type="checkbox"/><br/>           Human Factors <input type="checkbox"/> </div> <div style="flex: 1;"> <input type="checkbox"/> Pressure/Forced<br/> <input type="checkbox"/> Bending<br/> <input type="checkbox"/> Crushing<br/> <input type="checkbox"/> Cracks<br/> <input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br/> <input type="checkbox"/> Marks/Chatter<br/> <input type="checkbox"/> Mislabeled         </div> </div> |                                                                                                                                   | <b>FAULT CATEGORY</b><br><br><div style="display: flex;"> <div style="flex: 1;"> <input type="checkbox"/> Contamination<br/> <input type="checkbox"/> Misaligned/off center<br/> <input type="checkbox"/> BOM/Route<br/> <input type="checkbox"/> Broken/Damage/Defect<br/> <input type="checkbox"/> Incomplete/Unclear Instructions<br/> <input type="checkbox"/> Drill Holes<br/> <input type="checkbox"/> Fit/Function         </div> <div style="flex: 1;"> <input type="checkbox"/> Power Loss/Surge<br/> <input type="checkbox"/> Folio/Program<br/> <input type="checkbox"/> Grain Direction<br/> <input type="checkbox"/> Weld<br/> <input type="checkbox"/> Wrong Stock Pulled<br/> <input type="checkbox"/> Out of Sequence<br/> <input type="checkbox"/> Off-set/Set-up         </div> <div style="flex: 1;"> <input type="checkbox"/> Positioned Wrong<br/> <input type="checkbox"/> Outside Tolerance<br/> <input type="checkbox"/> Drawing<br/> <input type="checkbox"/> Finish<br/> <input type="checkbox"/> Part Lost/Missing<br/> <input type="checkbox"/> Misread         </div> </div> |  |                        |  |
| Other/Details:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                        |  |



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Container No: S235274



Part: D350-615-041

Job No: 200959

Serial No/Batch: S235274

Revision:

Inspector:

Exp Date:

Instructions: Certificate of Conformity only 11/27/19